

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1057637

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from Cast / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
-	
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used?
OG GSW Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cmt
If Workover/Re-entry: Old Well Info as follows:	
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Chloride content: ppm Fluid volume: bbls
	Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	On and the Name
Dual Completion Permit #:	Operator Name:
□ SWD Permit #:	Lease Name: License #:
ENHR Permit #:	QuarterSecTwpS. R East West
GSW Permit #:	County: Permit #:
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date	

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II Approved by: Date:

	Side Two	
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She	eets)	Yes	No		Log	Formation	n (Top), Depth an		Sample
Samples Sent to Geolog	gical Survey	Yes	No	1	lame			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	YesYesYes	No No No						
List All E. Logs Run:									
			CASING	RECORD	New	Used			
		Report al	I strings set-c	onductor, surface	, intermed	diate, producti	on, etc.		
Purpose of String	Size Hole Drilled	Size Ca Set (In		Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot		PERFORATION Specify Fo		RD - Bridge F Each Interval		e			ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Si	ze:	Set At: Packer At: Liner Run:							
Date of First, Resumed Production, SWD or ENHR. Producing Method: □ Flowing □ Pumping □ Gas				Gas Lift	Other (Explain)					
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF (GAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTER	RVAL:
Vented Sold		Used on Lease		Open Hole	Perf.	Dually (Submit)		Commingled (Submit ACO-4)		
(If vented, Sub	mit ACC)-18.)		Other (Specify))					

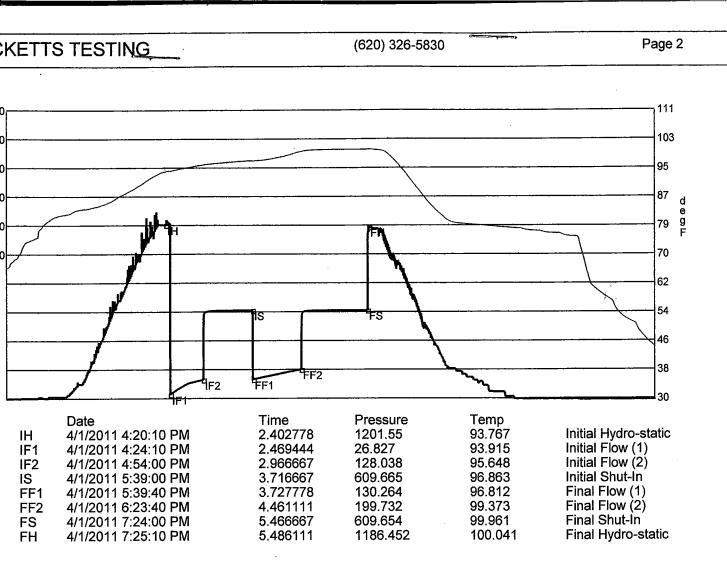
RICKETTS	TESTING.	· ·····	, ,	(620) 326-5830	·	Page	e 1		
Company Address CSZ Attn.	Vess Oil Corp. 1700 Waterfro Wichita, KS 67 Roger Martin	nt Prkwy Bl	dg 500	Lease Name Lease # Legal Desc Section Township County Drilling Cont	Wilson A 442 C S/2 S/2 9 25s Butler C S C Drilling	State	9420 5E (S		
Comments	Field: El Dorac	lo		Drilling Cont	C & G Drilling	#1			
GENERAL II	NFORMATIO	N		Chokes	3/4	Hole Size 7 7/8			
Test # 1 Tester Test Type	Jimmy Rickett Conventional Successful Te	Bottom Hol		Top Recorder # Mid Recorder # Bott Recorder #		f			
# of Packers	2.0	Packer Size	e 6 3/4	Mileage Standby Time	124 0	Approved By			
Mud Type Mud Weight Filtrate	Gel Chem 9.5 9.4	Viscosity Chlorides	53.0 1000		Jars & Safety J 11:00 AM 2:00 PM	Joint	X		
Drill Collar Len Wght Pipe Len				Elevation	1374.00	Kelley Bushings 1380	0.00		
Formation Interval Top Anchor Len Bel Total Depth	Viola 2431.0 ow 43.0 2474.0	Bottom Between	2474.0 0	Start Date/Time 4/1/2011 1:56 PM End Date/Time 4/1/2011 11:46 PM					
Blow Type	Weak blow bui	ilding to str	ong blow 11 minute ong blow 14 minute gravity was 39.						

RECOVERY

Feet	Description	Gas		Oil	<u>,</u>	Wate	er	Mud	<u> </u>
75 100 430 1	Clean oil Gassy heavy oil cut mud Gassy water and heavy oil cut mud Water and heavy oil cut mud in tool sample	0% 4% 5% 0%	Oft 4ft 21.5ft Oft	100% 29% 34% 43%	29ft 146.2ft	0% 10%	Oft Oft 43ft 0.1ft		0ft 67ft 219.3ft 0.5ft

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DST Fluids 6000



S FLOWS

nto IFP Min In	to FFP Gas F	lows Pressu	ire Choke	<u> </u>
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WILSON A #442 SEC Q TWP 25S RGE. ហ អ TEST_NO. DATE 4 - 1 - 11

COMPANY VESS OIL CORPORATION

LEASE AND WELL NO.

INDEPENI	ROGER DENT PETROLEU	ROGER L. MART INDEPENDENT PETROLEUM GEOLOGIST	TIN 316-250-6970
			DEDODT
		~	LOG
COMPANY VESS OIL CO	CORPORATION		ELEVATIONS
LEASE WILSON A # 442	5		KB <u>1380'</u> GL <u>1374'</u>
FIELD EL DORADO			Are /
TON 1320' FSL	& 2540' FWL		From KB: 1380'
section 9 Township	255	RANGE <u>5E</u>	API <u>15-015-23,890-00-0</u> 0
COUNTY BUTLER	STATE	KANSAS	
CONTRACTOR C&GD	C & G Drilling Rig #1		CASING
SPUD <u>3-28-11</u>	COMP <u>4-2-11</u>	1	SURFACE 8&5/8" 23#/ft set @ 263'
RTD 2474' (-1094) ELECTRI	LTD 2474' (-1094) ICAL SURVEYS	1094)	W/ 150 SX Class A, 3% CaCl PRODUCTION 5&1/2" 15.5#/ft J55 set @ 2473' w/ 125 sx (see Remarks)
1 DST by RICKETTS TESTING			
FORMATION TOPS	TOC .	SAMPLES	CHRONOLOGY
ADMIRE 550' SD ADMIRE 650' SD	566 (+814) 694' (+686)	570' (+810) 687' (+693)	3-23-11; MIRU; Drill rathole
BURLINGAME	837' (+543)	837' (+543)	3-28-11; Spud 12&1/4" hole @ 2 pm
WHITE CLOUD LS WHITE CLOUD SD	928' (+452) 942' (+438)	926' (+454) 932' (+448)	110 12&1/4" hole @ 265" @ 10pm Ran 6 its 8&5/8" 23#/ft cso (tally=255) Set @ 263' KR: -mit'et w/ 150 ev Class A 30' CaCl
TOPEKA	1095' (+285)	1095' (+285)	By Consolidated (Ticket # 30928) Circ Gd Cmt. Plug Down @ 11:30 pm on 3-28-11.
OREAD HEEBNER SH	1400' (-20) 1438' (-58)	1400' (-20) 1437' (-57)	<u>3-29-11; PTD:265' WOC: Drill out @ 8 am.</u> (Geologist on location)
DOUGLAS GRP DOUGLAS SD	1468' (-88) 1506' (-126)	1468' (-88) 1513' (-133)	3-30-11: Drlg @ 1355' (will mud up @ 1600')
LANSING B/ LANSING	1717' (-337) 1844' (-464)	1 / 1 / (-33 /) 1 848' (-468)	3-31-11; Drig @ 2130 Md Wt:9.1; Vis:38; LCM:2
KANSAS CITY STABK SH	1996 [,] (-616)	(719-),7601	4-1-11; H1D:24/4' @ / am; Short trip to 1450'- prep for DS1#1; pulled tight thru Douglas Grp ~ 2hrs
B/KC	2153 ⁻ (-/16) 2153 ⁻ (-//3)	2155' (-/18) 2155' (-/75)	longer short trip than usual; I IH @ 1:30pm. Md Wt:9.5; VIs:53; WL:9.4; LCM:2&1/2 DS1#1 & E-logs @ H1D: 2474
CHECKEHBOARD HEPLEH SD	2257' (-851) 2257' (-877)	3:323' (-852) 2258' (-878)	4-2-11: RTD & LTD: 2474' Prep & run production csg.
ALIAMONI	(106-),1822	2282' (-902)	(See Remarks) Plug down (@ 11:15 am 4-2-11.
CHEROKEE GRP ARDMORE LS	2360' (-980) 2424' (-1044)	2361' (-981) 2426' (-1046)	
VIOLA 101АL DEPTH (LTD/RTD)	2472' (-1092) 2474' (-1094)	2472' (-1092) 2474' (-1094)	
L L	FORMATION TOPS/MARKERS BY PAUL RAMONDETTA, 11 5&1/2 INCH PRDUCTION CASING WAS SET FOR A C		GEOLOGIST, VOC) DMPLETION IN THE VIOLA.
RAN 59.1TS OF 58. TAGGED TD AT 24. CONSOLIDATED SI	1/2" 15.5# J-55 CSG. TAL 74' SET AT 2473', 1' OFF ERVICES CEMENTED W	L <u>Y=2486.95' PLUS FLOAT SI</u> TD. PUT ON 6 CENTRALIZE 11TH 125 SX THICKSET, LIFT	<u>HOE=1 00' TOTAL=2487 95'</u> RS & 2 BASKETS PRESSURE TO 800 #
CAUGHT PRESSUE 4-2-11. RELEASE (CASING JOB BY C	RE AT 34 BBLS. GOOD C IT HELD, SET SLIPS & CU ASEY COATS, ENGR. VC	T PRESSURE AT 34 BBLS. GOOD CIRC OF MUD. LAND PLUG AT 1200 # AT RELEASE, IT HELD, SET SLIPS & CUT OFF CASING. (TICKET # 29847) 3 JOB BY CASEY COATS, ENGR. VOC)	T 1200 # AT 11:15 AM. 9847)
RESPECTFULLY SI ROGER L. MARTIN	TFULLY SUBMITTED. L. MARTIN, GEOLOGIST (WELL-SITE)	Ξ.	

REMARKS											
SAMPLE DESCRIPTION	 SH: green to gray (gn-gy).	LS: tn-cm, microXln(mx)- prt fnXln(fnX), sm Wkst-Pkst w/ pr-Fr Por; NS. Pred SH: md-dk-gy.	SH: dk-gy-bk.	LS: tn-gy-cm, dn-mx-fnX, sm fos; pr Por-NVP; NS. SH: AA; dk-gy-bk.	LS: cm-tn, gn-gy, dn-mx, sm argil; Vpr-NVP; NS. SH: lt-dk-gn-gy, sm calc & Lmy.	LS: gy-tn-cm, mx-VfnX; pred silty-argil; Vpr-NVP; NS. & SILTS: gy; calc.	SH: gy LS: cm-gy, dn-mx-VfnX, sm chlky, sm argil; pr Por-NVP; NS.	SH: gy-bk LS: cm-tn, mx-VfnX, sm dn, sm pr Por: pin point(pp); sm chlky; NS.	LS: cm-in, mx-VinX; sm granir-Pkst, sm ool & fos, sm chiky; pr-Fr Por: pp, IGr, & micro InterXin Por-(m-IXP) NS.	SH: As Above (AA). LS: cm-gy-tn, pred dn Mdst.	SH: dk-gy LS: tn-cm, mx-fnXln, Rare(Rr) prt MdXln(MdX), fos, w/ pr- Fr Por: intra-fos Por; NS.
DRILLING TIME LITH MIN/FT DST											

									576' (+804) ADMIRE 550' Sd Slight to Fair Show Free Oil (SI-FrSFO; Fr Odor)
LS: cm-tn, gn-gy, dn-mx, sm argil; Vpr-NVP; NS. SH: tt-dk-gn-gy, sm calc & Lmy.	LS: gy-th-cm, mx-VfnX; pred silty-argil; Vpr-NVP; NS. & SILTS: gy; calc.	SH: gy LS: cm-gy, dn-mx-VfnX, sm chlky, sm argil; pr Por-NVP; NS.	SH: gy-bk LS: cm-tn, mx-VfnX, sm dn, sm pr Por: pin point(pp); sm chlky; NS.	LS: cm-tn, mx-VínX; sm granlr-Pkst, sm ool & fos, sm chlky; pr-Fr Por: pp, IGr, & micro InterXin Por-(m-IXP) NS.	SH: As Above (AA). LS: cm-gy-tn, pred dn Mdst.	SH: dk-gy LS: tn-cm, mx-tnXln, Rare(Rt) prt MdXln(MdX), fos, w/ pr- Fr Por: intra-fos Por; NS. SH: incrs qv-bk, & SILTS: qv, calc.	LS: gy-tn, dn & mx-fnXln, pr Por- NVP; NS. SH: gy-bk. LS: cm-gy, mx-VfnXln, sm wh-chlky; pr visbl Por- NVP; NS.	LS: AA; sm argil; & SILTS: It-gy, calc. SH-SILTS: dk-lt-gy, & gn-gy.	LS: tn-gy-bn, mx-fnX, sm dolomc, Vpr-NVP; pred dn hd; NS. & SH: AA. (ADMIRE 550' SD) SS- Sd Clusters: gy w/ tn-Oil STN: Vfn Grd, sity, well cmtd- subfriabl- si calc, micac; w/ pr-Fr visbl IGr Por: ~30% w/ brt FLR & Slight to Fair Show Free Oil & Gas Bubls-(SI-FrSFO-GB) w/ subsat- sat- tn- STN

	4		
		[ADMIRE 550' SD] SS- Sd Clusters: gy w/ tn-Oil STN; Vin Grd, silty, well cmtd- subfriabl- sl calc, micac; w/ pr-Fr	ADMIRE 550' Sd Slight to Fair Show Free Oil
		visu list For: ~30% w off FLH & Signt to Fair Show Free Oil & Gas Bubls-(SI-FrSFO-GB) w/ subsat- sat- th- STN & SI-Fr milky Out, Fr Gd Cut, Frly Strong Odor.	
		& SILTS- SH: gy, micae.	
	-600	LS: cm-gy-tn, dn- mx-fnX- Trc 2nd ReX; pr Por-NVP; NS.	
		SH: gn-gy.	
	0	LS: cm-gy-tn, dn- mx-VfnX, argit, Vpr Por-NVP; NS.	
		SH: It-dk-gn-gy, sm rd-mrn, sm pyrtc; sm calc & Lmy.	
		on- oll i s. ir-ak-gy-gy, sm pyric.	
E			
		LS: tn-gy-bn, dn-mx-fnXin, sm argil; Vpr-NVP.	
::::		SS- Silty Sd Clusters; ov- th-STN. Vfn Grd. Bnd'd-	Fr-Gd SFO & Gas Bubls(GB)
	- 650	subangir; pr-Fr IGr.Por; ~20% w/ brt FLR & subsat-sat STN & SLFr SEO-GB & miliw Out Edu Strong Odd	
		(Sharp incrs SH in 700'spl)- SH: dk-gy-bk, micac.	
		SILTS: av, micae, sm cale.	
~			6871 (4603)
		ADMIRE 650 Sd SS- Sd Clusters: gy w/ tn-STN, Vfn-	00/ (+000) ADMIRE 650' Sd
T		fnGr'd, Rnd'd-subanglr, sifty to V.siity, sm sl calc, micac; or-Fr visht lGr Porr ~10% w/ hrt FLB & FreeD w/ GB &	
		subsat-sat STN & SI-Fr milky Cut, Frly Strong Odor.	{~10% Sd Clust w/ FrSFO-GB)
	700		
		SII TS: ov micae Sordy: & V raze/Vr/ Silty Sd Chiret &A	
		w/ FLR-SFO-STN-Cut; Odor.	
		Pred SH: It-dk-qv: & SILTS & Vrr Siltv Sd Clust: AA.	
		nale(nv) LS. gy-uri, dri, microAin(mx)- W SM mAŭS(mX), & argil. Vpr-NVP.	
		Pred SH: gy; & sm SILTS: AA.	
		LS: tn-gy-cm, dn-mx, sm argil- Mdst.	
	-750		
		SH: AA & sm SILTS: AA	
		LS: AA; Vrr Wkst-Pkst w/ pr Por; NS.	
		0	
		əri: II-ak-gy, sını micac; & ələtə: AA.	
	-800	LS: cm-tn-gy-bn, pred dn Mdst & mx-VfnX; sm argil; pred	
		LS: cm-tn, dn- mx-fnX; NVP;	
		SH: av-bk. & It-an-av. sm micae.	
			837' (+543)
		المالية المرادية المحاجبة المراجب مستحسب مستخبل عبر المراجع	

	837' (+543) BURLINGAME	Trace Show Free Oil {Trc SFO)			926' (+454) WHITE CLOUD LS 932' (+448) WHITE CLOUD Sd {<10% SI-Fr SFO)			979' (+401) HOWARD	{~30% w/ SISFO)			
SH: gy-bk, & lt-gn-gy, sm micac.	{BURLINGAME} Abndt LS: tn-cm, cryptoX-fnX, dn hd, Lithogr, sm Mdst; Vpr-NVP.	LS: cm-tn, mx-fnX- sm 2nd ReX- Trc Md-CrsX's; prt wh- chlky; sm sl fos- Wkst; Vrr pt-Fr Por: pp-vug, IXP & Edges <5% w/ FLR- STN- Cut; Trc SFO.	SH: lt-dk-gn-gy. LS: tm-cm, dn- mx-fnX, sm argil- shly; pred Vpr-NVP w/ NS.	SH-SILTS: gy, gn-gy, sm micac, sm calc.	{WHITE CLOUD LS} LS: th-gy, mx-fnX, & Mdst & sl fos- Wkst; Vpr-NVP. {WHTE CLOUD SS} Silty Sd Clusters: gy-tn, Vfn Gr'd, Rnd'd- subanglr, micac, well cmt'd- subfifiabl w/ pr-Fr Por: IGr; >5%<10% w/ brt FLR & tn-STN & SI-Fr SFO , & SI milky Cut.	oir 1 S- Sily Sd Clast. Ir-dk-gy, mcac, sm Sndy w pr Por. <5% w/ FLR-STN-SFO-Cut; & SH-SILTS; It-dk-gy, sm micac.	Pred SH: dk-lt-gy.	{HOWARD} LS: tn-gy-cm, dn Mdst & mx-fnX- dn, Vpr- NVP. LS: cm-gy-tn, mx-VfnX, sm fnly granlr- Pkst w/ pr Visbl Por w/ NS; Abndt dn Mdst- Wkst w/ Vpr-NVP; NS.	SH: dk-lt-gy, & bk carb.	LS: th-gy-bn, dn hd- Mdst-Wkst; Rr fos- Pkst, mx-fnX; sm V.argil; Vpr Por- NVP; NS. SILTS: dk-lt-gy, micac, sm Sndy; & SH: gy, & gn-gy, sm micac.	LS; tn-gy-bn, dn- Mdst, argil- shly; NVP; NS.	SILTS-SH: It-dk-gy, micac.

		837' (+543)
	{TOPEKA} LS: cm-tn, mx-fnX, sm fos- Pkst; Sl Cherty; pr-Fr Por; NS.	1095' (+285) TOPEKA
	LS: cm-tn, sm granlr & fos Pkst, & mx-fnX; sm wh-chlly; pr-Er Por; NS.	
	SH-SILTS: gy-bk & gn-gy, micac.	
	LS: th-gy-cm, mx-fnXin, Rr prt Md-CrsXin- 2nd ReX; pr-Fr IXP, pp & vug Por & Frac.Edges; <5% w/ brt FLR & Trc SFO & Cut.	{Trc SFO)
	LS: (AA) & sm argil- shly; pred Vpr-NVP w/ NS.	
	SH: gy-bk & bk carb; Trc Coal. LS: th-gy-cm, mx-tnXln, pr visbl IXP & m-Frac's; ~5% w/	{Trc SFO)
	SH: gy-bk, & bk carb, sm micac.	
	LS: cm-bf-tn, mx-fnX; pred dn, sm fos- Wkst- Pkst; pred pr Por-NVP w/ NS.	
	SH: AA; & bk carb.	
	LS: AA; cm-gy-tn, mx-VfnXln, sm fos- Pkst, Vpr-NVP; NS.	
	SH-SILTS: It-dk-gy & gn-gy, sm micac, sm calc.	
	LS: cm-gn-gy, mx-VfnXln, sm fos- Wkst-Pkst; Vpr-NVP; NS.	
	ell TC.S.H. av an av micro	
	ole i o-ort. gy, girgy, illicae.	
	LS: cm-tn, mx-fnXln, Rr pr MdXln- 2nd ReX w/ pr Por- NVP; NS; Abndt dn Mdst w/ NVP; NS.	, ,
	SH: dk-lt-gy, micac; LS: AA; & SILTS: lt-gy, micac.	
	. SH-SILTS: gy-bk, sm calc, sm micac.	
	LS: tn-gy-cm, mx-fnXln- dn, sm argil, Vpr-NVP; NS.	
	LS: gy-tn, cm, dn hd, microXln(mx), & argil; & SH: gn-gy.	
	LS: cm-tn, mx-fnXln, sm prt MdXln, sm pr-Fr Por: vug & IXP; NS; sm wh-chlky- NS.	
	LS: th-cm, mx-MdXln, sm Crs-V.CrsX's; sm Fr-Gd Por: nn-virt & IXP-: 65 %, w/ sarid Fl R: NFO.	
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gy.			 	olomo- sucro, Vpr-pr		 olome; SI Chrty;) & NC.	 1437' (-57) 1425 SH		Wheet-Diret- or Dor-		1468' (-88)		 	S.H. Survery: 1/2		v Vin Grd. Visitiv [1507' (-127)		Icac w vpr ror w FO-GB.	A, SFO-FLR-STN- S: AA.	 Vfn Gr'd, sm Vfn-fn sm si rale: sm Fr-Gd {<5% w/ FLR & SFO}			ac w/ sm Fr-Gd Por:	It-STN & Cut; SI) pyrtc.		
{KANWAKA SH} SH: dk-gy-bk, & md-gy.	SILTS: gy.	SH: As Above (AA).		{OREAD} LS: cm-tn, mx-fnX, sm sl dolomo- sucro, Vpr-pr	IXP; NS.	LS: cm-tn, microXIn(mx)- fnX, sm sl dolomc; Sl Chrty; Vpr-pr Por: IXP; sm sptd FLR w/ NFO & NC.	PLEEDNED CUT M 2014 V 2014 CU	LS: gy-tn, dn- argii- Mdst; & SH: dk-tt-gy.	l St. am he in the 8 min aread Melett cm	NVP; sm dull Mind Fir; NFO; NC; NS.		יווויאט איז	LS: gy-tn, dn & argil- Mdst.	SH-SILTS: dk-tt-gy, micac, sm Sndy.	SILTS: It-ov. micac.	UDOLIGE AS SDI SS: SA Clusters: It or	Provide the second seco	Odor; & Sndy SiL I S; gy, vin Gro, mi sptd-subsat STN & brt FLR & SI-Fr SI	Silty SS- V.Abndt Silty Sd Clusters: AA, SFO-FLR-STN- Cut, & sm Free Sd Gr's; & Sndy SILTS: AA.	SS- V.Abndt Sd Clusters: It-gy, pred V Grid sithy micae wall criticity to fright s	Por I.Gr. <5% w/ FLR-SFO-STN & Cut; sm V.sity to Sndy SILTS: A4; SI Odor.		SS- Sd Clusters: AA: Abndt sittv. mic	lGr- Pred Barren; <5% w/ FLR-SFO- It-STN & Cut; Sl Odor	& Sndy SILTS: gy, micac, V.rare(Vrr) pyrtc.	SILTS: 44: & SH: nv	
	-1350			1400			<u> </u>		- 1450						-1500												
										ТЪГ																	

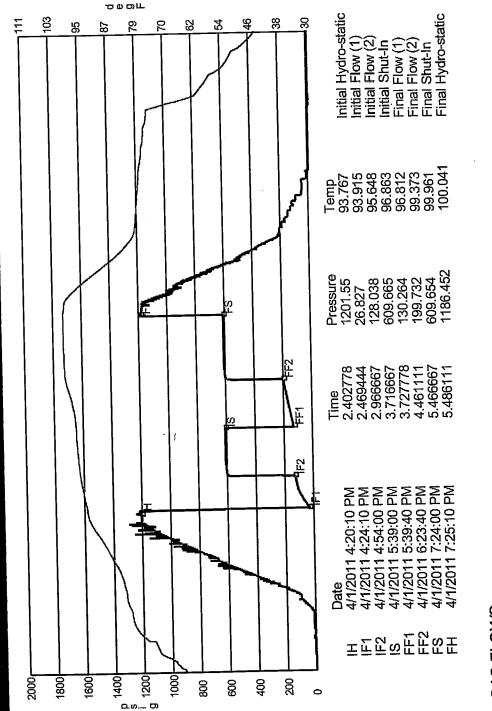
	1619' (-239) HASKELL		1717' (-337) LANSING	{~5% w/ SFO) {~5% w/ VSISFO)	(Trc SFO)
SH: dk-gy-bk, sm bk carb, sm gn-gy	{HASKELL} LS: cm-tn, mx-fnX, sm argil, sm sl sndy; pr Por- NVP; NS. S!!; It-dk-gy- bk, & gn-gy. S!LTS: gn-gy; (sm Sd Clust: AA)		Shi: As Above (AH). {LANSING} LS: wh-th, mx-fnX, Vrr MdX's, sm Pkst- Rr ool, sm wh-chiky; Vpr-pr visbl Por; Very rare(Vrr) FLR; NFO; NC. Abndt dn LS- Mdst-Wkst w/ Vpr-NVP & NS. SH: gy-bk & gn-gy. LS: gy-tn, dn Mdst-Wkst & mx-fnX, sm wh-chiky; Pred Vpr-NVP w/ NS.	LS: cm-th, mx-fnXln, sm fos-Pkst, sm moldc Por & IXP- Fr Por; ~5% w/ subsat-sat FLR & STN & SISFO & SI-Fr milky Cut; SI Odor. Abndt dn LS- Mdst. LS: cm-th, mx-fnXln, Vrr prt MdXln- 2nd ReX, sm fragmnt- Pkst; SI Chrty: Vrr Fr-Gd Por: vug & Fr IXP; <5% w/ spt'd-sat FLR & tn-STN w/ SI-Fr milky Cut, VSISFO; SI Odor. LS: th-gy-wh, dn- mx-fnX; sm Mdst-Wkst & Rr Pkst; sm chlty; Pred Vpr-NVP w/ NS. (<1% LS: AA w/ FLR-STN- SFO-Cut, Vsl Odor).	LS: cm-tn, sm mot, mx-fnXln, sm fos- Pkst; sl Chrty; pr-Fr Por: pin point(pp) & IXP; <5% w/ FLR-STN & Trc SFO. LS: gy-tn-wh, sm mot, mx-fnX- sm 2nd ReX- Vrr MdX's; pred dn, sm wh-chlky; sm fnly grantr-Pkst w/ pr-Fr Por w/ NS; Sl Chrty.
-1600	· • • •	-1650			-1800

-1850	B/LANSING} SH-SILTS: gy-bk, sm calc, micac.	1848' (-468) B/ L ANSING	
	SH-SILTS: gy, gn-gy, calc, micac.		
	SH: gn-gy.		
- 1900	SILTS: gn-gy, micac.		<i>y</i> -
		LCM	Vis:38 Wt:9.1 LCM:2#
	SH: dk-gn-gy, micac.		
-1950	SILTS: dk-lt-gn-gy, micac, sm calc.		
	SH: dk-gn-gy.	: <u></u>	
		1997' (-617) KANSAS CITY	
2000		{~20% w/ SISFO	
	SISFO & Cut, Frly Strong Odor. LS: AA; sm prt MdXin; sm Fr-Gd IXP, & sm fos & ool- Pkst w/ Fr-Gd pp-vug & oomldc Por; ~30% w/ spt'd-sat brt FLR & SISFO & Cut: ~10% w/ spt'd-sat STN; Frly Strong		
	Odor; sm dn Mdst-AA.	<u>Vis:</u>	Vis:37 Wt:9.2
	LS: cm-bf, mx-fnX- Vrr prt MdXIn-CrsX's- 2nd ReX; sm tos- Pkst w/ Fr-Gd Por: 1.fos.Por, sm IXP; ~10% w/ sptd- subsat FLR & VSISFO- Cut; sm chlky; V.Chrty: cm-bf-gy,	{~10% w/ VSISFO)	#: .W
1	opq; sriip, si Ouor. LS: AA; <5% w/ FLR-SFO-STN-Cut, Vsl Odor.	{<5% w/ VSISFO}	
L	LS: AA; Abndt dn Mdst-Wkst, sm argil, & sm chlky w/ Vpr-NVP w/ NS.		
2050	LS: wh-cm-bf, mx-fnX, Vrr Md-V.CrsX's, sm granir & chiky Pkst- tos; Fr Por: IGr, I.fos; <5% w/ spt/d-subsat FLR, Trc SFO-STN-Cut; Chrty; >95% Barren.	{<5% w/ VSISFO)	
	LS: gy-tn, dn- Mdst-Wkst- pred Vpr-NVP; Chrty.		
	LS: wh-cm-tn, mx-fnXln, Vrr Md-CrsX's; sm fos- Pkst, sm chlky; pr visbl Por: I.Gr & IXP; <5% w/ sptd FLR; Tro SFO-STN-Cut" Tre dead Shr: SI Chrtv.	{Trc SFO)	

Image: Control -300 (EXACTOR for a logit of thy, or Under) 2000 (EXACTOR for a logit of thy, or Under) Image: Control -300 (EXACTOR for a logit of thy, or Under) 2000 (EXACTOR for a logit of thy, or Under) Image: Control -300 (EXACTOR for a logit of thy, or Under) 2000 (EXACTOR for a logit of thy, or Under) Image: Control -300 (EXACTOR for a logit of thy, or Under) (EXACTOR for a logit of thy, or Under) Image: Control -300 (EXACTOR for a logit of thy, or Under) (EXACTOR for a logit of thy, or Under) Image: Control -300 (EXACTOR for a logit of thy, or Under) (EXACTOR for a logit of thy, or Under) Image: Control -300 (EXACTOR for a logit of thy, or Under) (EXACTOR for a logit of thy or Under) Image: Control -300 (EXACTOR for a logit of thy or Under) (EXACTOR for a logit of thy or Under) Image: Control -300 (EXACTOR for a logit of thy or Under) (EXACTOR for a logit of thy or Under) Image: Control -300 (EXACTOR for a logit of thy or Under) (EXACTOR for a logit of thy or Under) Image: Control -300 (EXACTOR for a logit of thy or Under) (EXACTOR for a logit of thy or Under) Image: Control -300 (EXACTOR for				-+ ∏		
Image: State Stat			•	T	LS: AA; sm dn & argil, sl Chrty, w/ Vpr-NVP.	
410 (17/40) SH: kb cdah - Vanhal. 411 (17/40) SH: kb cdah - Kahal. 411	1			 1		2098' (-718)
Image: Second				-2100		STARK SH
An of the second sec		A			SWOPE) LS: wh-tn-gy, mx- MdXIn, sm fos- Pkst, sm	
Image: Section of the section of th					cnlky; pr visbl Por: IGr & IXP; <5% w/ FLR; Trc SFO-STN- Cut; Chrty.	_
Control BILTS: Idds: proj. Stat. Nat. Stan: Bory: Min. Stan: Bory: Min. Stat. St					LS: tn-wh. ared dn-chlkv w/ Vnr-NVP & NS	
Historic Mathematical Section Sub-Mathematical Instances Historic Mathematical Instances Historic Mathematical Instances SH: AA: 8 progr. 6 SILTs progr. calc. 8 ans Noty. Ym Cret. Historic Mathematical Instances SH: AA: 8 progr. 6 SILTs progr. calc. 8 ans Noty. Ym Cret. Historic Mathematical Instances SH: AA: 8 progr. 6 SILTs progr. calc. 8 ans Noty. Ym Cret. Historic Mathematical Instances SH: AA: 8 progr. 6 SILTs progr. calc. 8 ans Noty. Ym Cret. Historic Mathematical Instances SH: AA: 8 progr. A construct an angl. SILTs progr. and a construct an angl. SILTs progr. A construct and site of the c	4	M				
Striktion Strikt, Signage, all Si, Signage, all Si, Signage, all Si, Signage, Sid, Sidnage, Sid,		V		8	{HUSHPUCKNEY} SH: bk carb- V.carb.	<u> </u>
Sist: Adv. 8, 00,0500, Sist: Adv. 8, 00,07, 60, 00, 00, 00, 00, 00, 00, 00, 00, 00					{HERTHA} LS: cm-tn-gy, mx-fnXln, & sm Pkst w/ pr-Fr Por: pp. IGr_IXP: ∠5%, sprid-sat hrt FI R & m-STN	(HERTHA (SISFO)
ASH: Ari, Surger, Ari, Surger, San Cal, San Shayi, Yin Cret. Indication		ł		- 	SISFO-Cut; Vsl Odor-brk;	
IIIS: I-discipredy, sm radie, & sm Snoty, Yin Grid, IIIS: I-discipredy, sm radie, & sm Snoty, Yin Grid, IIIS: Self, Grid, SP, Self, W. FLP, Tie, SPC-STINCOLII: smandling IIIS: Self, Grid, SP, Self, W. FLP, Tie, SPC-STINCOLII: smandling IIIS: Self, Grid, SP, Self, W. FLP, Tie, SPC-STINCOLII: smandling IIIS: Self, Grid, SP, Self, W. Rach, & Grop, Yin Grid, IIIS: Self, Grid, SP, Self, W. Rach, & Grop, Yin Grid, IIIS: Self, Grid, SP, Self, Grid, SP, Self, Self, S					& SH: AA; & gn-gy; & SILTS: gn-gy, calc; & argil-LS.	
Image: Section of the section of the prest provided in the section of the section of the prest provided in the section of th				<u></u>		
SILTS: Iddsgrup; series and Sup; Vhn Grub Particle 135 SILTS: Indy con; met; mer; MNI, in cash of the Prest; merinds Particle			أسائه			5 ,
-2150 IS: hogron.org.met/mithtm.met/mithtm.met/mithtm.met/mithtm.met/mithtm.met/mit					SILTS: It-dk-on-ov sm cale & sm Sndv: Vfn Gr'd	
And the stand of the property of the stand o						
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CHERCNCET SH: UK carh, & dek-gn-gy. SH & SLUTS. CHERCNCET SH: UK carh, & dek-gn-gy. SH & SLUTS. CHERCNCET SH: UK carh, & dek-gn-gy. SH & SLUTS. CHERCNCET SH: UK carh, & dek-gn-gy. SH & SLUTS. CHERCNCET SH: UK carh, & dek-gn-gy. SH & SLUTS. CHERCNCET SH: UK carh, & dek-gn-gy. SH & SLUTS. CHERCNCET SH: UK carh, & molecular. CHERCNCET SH: UK carh, & molecular. CHERCNCET SH: UK carh, & molecular. CHERCNCET SH: UK carh. CHERCNCET S				 F T	Por: IGr & IXP; <5% w/ FLR; Trc SFO-STN-Cut; sm argil-	04EE' (77E)
CHERD/KEJ SH: bk carb, å gr.gy, micae: (ubrott LS: AA) Peol SH: bk sm micae: SH: AA Peol SH: bk sm micae: SH: AA SH: AA <th>ф </th> <th></th> <th></th> <th>9</th> <th>ĽĶ</th> <th></th>	ф 			9	ĽĶ	
BILTS SH: dkgy-bk, å gr-gy, micaar; (Abrord LS: AA) Pool SH: bk sm micaa; Sh: dy sy, raite å Lmy; Sh: dy sy				- }	CHEROKEE) SH: bk carb. & dk-lt-nn-nv- SH & SII TS	
BILTS: SH: disgrip, date & grapy, micae: (Abndt IS: AA BILTS: grapy, cate & Lmy. BILTS: stateway.				 1 T		
Ped SH: ik sun micae. SI.TS: gnegy, calc & Lury. SI.TS: gnegy, calc & Lury. SH: AA SH: and an index. B.T.TS: itclk-gy, micae, an Snoy: Vin Gro. SH: gro.gr-bk, an bk-carb, an pyrc. SH: bk-gro.gr/bk, an bk-carb, an pyrc. SH: bk-gro.gr/bk, an bk-carb, an pyrc. SH: gro.gr-bk, an bk-carb, an pyrc. SH: gro.gr/bk, an bk-carb, an w FLA, NrO; an gro.gr/bk, an bk-carb, an w FLA, NrO; an gro.gr/bk, an bk-carb, an erge. SH: gro.gr/bk, an bk-carb, an w FLA, NrO; an gro.gr/bk, an bk-carb, an and carb, wearb, an ergi. Vp-NVP; NS. SH: gro.gr/bk, an bach, and and; warb, w					SII TS- SH' dk-ov-bk & dn-dv mirac' (Abndt I S: 44)	· · · · ·
Pred Ski: Dk snn micae. Si: A Si: B <						
Pred SN: bit ken minae SN: AM SN: AM <tr< td=""><td></td><td></td><td></td><td>}—</td><td></td><td></td></tr<>				} —		
Image: Section of the section of th				-	Pred SH: bk sm micac.	
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SH: AA SH: AA SH: AA SH: AA SH: DA SILTS: It-dk-gy, micaes, am Sndy: Vin Grd, SH: DA SILTS: It-dk-gy, micaes, am Sndy: Vin Grd, SH: DA SH: gn-gr-bk, am bk-carb, am pyrte, SH: DA SH: gn-gr-bk, am bk-carb, am pyrte, SH: DA SH: Bk carb, SH: DA SH: SH carb, SH: SH carb, SH: SH carb, <				∔		
BH: AA BH: AA BH: AA SILTS: Hedk-gy, micae, sm Sndy: Vin Gerd. BH: BP-berline SILTS: SH: dik-gy-dik, a gnegy, micae. BH: BP-berline SILTS: SH: dik-gn-gy. BH: BP-berline CHECK/EBBOARDI) LS: thevelt, mx-InX- dp- hd, å sm BH: BP-berline CHECK/EBBOARDI) LS: thevelt, mx-InX- dp- hd, å sm BH: BP-berline SH: SE SG Clusters: gn-gy, am-red, vince. BH: BP-berline SH: SE SG Clusters: gn-gy, am-red, vince. BH: BP-berline SH: SE SG Clusters: gn-gy, am-red, vince. BH: BP-berline SH: SE SG Clusters: gn-gy, am-red, vince. BH: BP-berline SH: gn-gy, di, mr-rd, vince. BH: BP-berline SH: gn-gy, di			T		SILTS: gn-gy, calc & Lmy.	
SH: AA P -2200 SLTS: It-dk-gy, micaa, sm Snoy: Vin Grd. P			Π			
B:: AA SI.TS: Ledk-gy, micae, sun Sndy: Vin Grd. B:: D:: D:: D:: D:: D:: D:: D:: D:: D::				╋		
3LTS: It-dk-gy, micae, sm Sndy: Vin Grd. 9 ILTS: It-dk-gy, micae. 9 ILTS: It-dk-gy, micae. 9 ILTS: SH: dk-grd. 9 ILTS: It-dk-gy, micae. 9 ILTS: It-dk-gy, micae. 9 ILTS: gn-gy, sm Sndy: Vin Grd. sm Sndy. Vin Grd. sm Sndy. 9 ILTS: gn-gy, sm Sndy: Vin Grd. sm Sndy. 9 ILTS: gn-gy, sm Sndy: Vin Grd. sm Sndy. 9 ILTS: gn-gy, sm Sndy: Vin Grd. sm Sndy. 9 ILTS: gn-gy, sm Sndy: Vin Grd. sm Sndy. 9 ILTS: gn-gy, sm Sndy. 9 Vister. 9		4	Π		SH: AA	
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Image: Shi grag-bk, sm bk carb, sm byrd, sm bk carb, sm byrd, sm bk carb, sm byrd, sm byr		Ħ		-		
10 10 10 SH: gr-gr-bk, sm bk-carb, sm pyrta. 11 5 11 5 5 14 97-bk, sm bk-carb, sm pyrta. 11 5 11 5 5 14 97-bk, sm bk-carb, sm pyrta. 11 5 11 5 5 14 97-bk, sm bk-carb, sm pyrta. 11 5 5 11 5 97-bk, sm bk-carb, sm pyrta. 5 12 5 11 5 97-bk, sm bk-carb, sm pyrta. 5 14 14 13 14					SILTS: It-dk-gy, micac, sm Sndy: Vfn Gr'd.	
SH: gn-gv-bk, sm bk-cath, sm pyrte. SILTS SH: dk-gy-bk, & gn-gy, micac. SILTS SH: dk-gy-bk, & gn-gy, micac. SH: bk carb.		H		19		
SH: gn-gy-bk, sm bk-carb, sm pyrte. SILTS-SH: dk-gy-bk, & gn-gy, micae. SILTS-SH: dk-gy-bk, & gn-gy, micae. SILTS-SH: dk-gn-gy. SILTS-SH: dk-gn-gy. SH: bk carb. SILTS-SH: dk-gn-gy. SH: bk carb. SH: gr-gy ch-mol, dn-Mdst, & m-HK; Vp-NVP; NS. SH: gr-gy ch-mol, dn-Mdst, Msst, an argli; Vp-NVP; NS. SH: gr-gy ch-mol, dn-Mdst, Msst, an argli; Vp-NVP; NS. SH: gr-gy ch-mol, dn-Mdst, Msst, an argli; Vp-NVP; NS.		╀				
SILTS SH: dk gr-bk, & gr-gy, micae. SILTS SH: dk gr-gy, micae. SH: bk cent. SH:				-	SH: on-ov-bk. sm bk-carb. sm nvrte	
SILTS-SH: dk-gy-bk, & gn-gy, micae. SH: bk carb.				÷ -		
SILTS SH: dkgrybk, & gr-gy, micac. SH: bk carb.						
SH: bk cath. SH: bk cath. SH: bk cath. SH: bk cath. SH: bk cath. CHECKERBOARDI, LS: tri-wh, mk-hX, dn- hd, & sm chly, sm fragmut Pkst Vpr-NVP- sm w ELR, NFO; sm p-ogravity and the sm of the sm		-		- 4		•••••
SH: bk carb. SH: bk carb. CHECKERBOARD) LS: th-wh, mx-thX, dn- hd, & sm orly, sm fragmmtl Pkst Vpr-NVP- sm w FLR, NFO; sm orly, sm fragmmtl Pkst Vpr-NVP- sm w FLR, NFO; sm orly, sm fragmmtl Pkst Vpr-NVP- sm w FLR, NFO; sm orly, sm fragmmtl Pkst Vpr-NVP- sm w FLR, NFO; sm orly, sm fragmmtl Pkst Vpr-NVP- sm w FLR, NFO; sm orly, sm fragmmtl Pkst Vpr-NVP- sm w FLR, NFO; sm orly, sm fragmmtl Pkst Vpr-NVP- sm w FLR, NFO; sm orly, sm fragmmtl Pkst Vpr-NVP- sm w FLR, NFO; sm orly, sm fragmmtl Pkst Vpr-NVP, sm w FLR, NFO; sm orly, sm fragmmtl Pkst Vpr-NVP; NS CHENE SH: BPLER SO; SH SS Sd Clusters; orly, orly, atmr-rd, Vm duil FLR orly, sm fragmmtl Pkst, Vpr-NVP; NS CHENE SH: gr-pt visible Pr: micro(m); GLPcr, Seg-Cl0s, w duil FLR orly, sm fragmmtl Pkst, Vpr-NVP; NS. CHENE SH: gr-pt visible Pr: micro(m); GLPcr, Seg-Cl0s, w duil FLR orly, sm grup, bk. CHENE SH: gr-pt visible Pr: micro(m); GLPcr, Seg-Cl0s, w duil FLR orly, sm grup, bk. CHENE SH: gr-pt visible Pr: micro(m); GLPcr, Seg-Cl0s, w duil FLR orly, sm grup, bk. CHENE SH: gr-pt visible Pr: micro(m); GLPcr, Seg-Cl0s, w duil FLR orly, row-NVP; NS. CHENE SH: gr-pt visible Pr: micro(m); GLPcr, Seg-Cl0s, w duil FLR orly, row-NVP; NS. CHENE SH: gr-pt visible Pr: micro(m); GLPcr, visible RS CHENE SH: gr-pt visible Pr: micro(m); GLPcr, visible RS CHENE SH: gr-pt visible RS CHENE SH: gr-pt visible RS CHENE SH: gr-pt vis		X			SILTS-SH: dk-gy-bk, & gn-gy, micac.	
SH: DK CaPD. SH: DK CaPD. SH: DK CaPD. C(HECKERBOARD) LS: th-wh, mx-inX, dn- ind, & sm cribty; sm fragmant Pkst Vpr-NVP- sm wf ELR, NFO; sm prsy argit. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dkgn-gy. SH: SIL TS: in dyn, Unit Gr, Dor, SK=10%, widti FLR SH: SIL TS: in dyn, Out a sprive subsart STN; Visi Odor. SH: SIL SU SH: SIL TS: in dyn, Out a sprive subsart STN; SI Odor. SH: SIL SU SH: SIL TS: in dyn, Out a sprive subsart STN; SI Odor. SH: SIL SU SH: SIL TS: in dyn, Out a sprive subsart STN; SI Odor. SH: SIL SU SH: SIL SU SH: SIL SU SH: SIL SU SH: SIL SU SH: SIL SU SH: SIL SU SH: SIL SU SH: SIL SU SH: SIL SU SH: SIL SU <td></td> <td></td> <td></td> <td></td> <td>ā</td> <td></td>					ā	
Rought Rh Institute of the set		+			SHI: DK CEID.	
Andread				<u>├</u>		2232' (-852)
Constraint Constraint <td></td> <td>Y</td> <td>aynopura</td> <td></td> <td>CUEUNENEDUARUS LS: (II-WII, IIX-IIIX- 0II- III, & SM chliky: sm fragmati Diet Ver NVD cm EI D NEO:</td> <td>CHECKERBOARD</td>		Y	aynopura		CUEUNENEDUARUS LS: (II-WII, IIX-IIIX- 0II- III, & SM chliky: sm fragmati Diet Ver NVD cm EI D NEO:	CHECKERBOARD
2250 SILTS: II-dk-gn-gy. 2250 SILTS: II-dk-gn-gy. 2250 SILTS: II-dk-gn-gy.	1				עווואי, אוז וומטוווווו דאאנ עטו-ווער- אווו שי דבה, וערט; אוו מה-מע ממון.	
SH-SILTS: It-dk-gn-gy. O 5 The D <	Ĺ	V				
 -2250 SILTS: gn-gy, sm Sndy: Vhn Gr'd, sm sl calc. -2250 SILTS: gn-gy, sm Sndy: Vhn Gr'd, sm sl calc. -2250 SILTS: gn-gy, sm Sndy: Vhn Gr'd, sm sl calc. -2250 SILTS: Statt Ar, pred V.silty & V.well emtd-sm calc; VP-pr visib Por: miceo(m-) (a: Port: 55%-c10% w dull FLR & VS-sISFO & milky Out, & sprd-subset STN: VSI Odor. SILENDAN SILENDAN SILENDAN SILENDAN SILTS: gn-gy, & an Pict; Vpr-NVP; NS. SILTS: gn-gy & bk. SH: bk carb, & gn-gy-bk. SH: gy-bk- subcarb: sm bkst; Vpr-NVP; NS. SH: gn-gy & bk. <	ΠŢ				SH-SILTS: It-dk-gn-gy.	
-2250 SILTS: gn-gy, sm Sndy: Vin Grd, sm sl calc. -2250 SILTS: gn-gy, sm Sndy: Vin Grd, sm sl calc. -2250 FHEPLER Sol) Sity SS - Sd Clustens: gn-gy, & mm-rd, Vin Grd, Vreet visbl Por: micro(m-) IG:: Por: 55%-(70% wd ull FLR & VSI-SISFO & milyy Cut, & sptd- subsat STN; Vsl Odor. -2010 Sity SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Barren. -2010 Sity SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Barren. -2011 Sity SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Barren. -2011 Sity SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Barren. -2011 Sity SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Barren. -2011 Sity SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Barren. -2011 Sh: sp-gy-bk. -2111 Sh: sp-gy, chn- dh-Mdst, & am Pkst; Vpr-NVP; NS. -2111 Sh: sp-gy, chn- dhdst- argli; Vpr-NVP; NS. -2111 Sh: sp-gy, ch	İΠ					
0 b Hit 1 FHEPLER Sci) Sity SS- Sd Clusters: gn-gy, & mm-rd, Vin Grid, Vir Thi drd, bl Pcr. 55%-c10% wi duil FLR with out the structure and sci. Vier provisible Port. 75%-c10% wi duil FLR with out the structure and sci. Vier provisible Port. 75%-c10% wi duil FLR with with the structure and sci. Vier provisible Port. 55%-c10% with cull FLR with with the structure and sci. Vier provisible Port. 55%-c10% with cull FLR with with the structure and sci. Vier provisible Port. 55%-c10% with FLR with the structure and sci. Vier provisible Port. 55%-c10% with FLR with the structure and sci. Vier provision and sci. Vier provided with the structure and the struc				_	SILTS: gn-gy, sm Sndy: Vfn Gr'd, sm sl calc.	
0 FHEPLER Sd) Sily SS- Sd Clusters: gn-gy, & mm-rd, Vm 6rd, Vrr of Grd, Vred of Control Control Control - Smalley Contrelation - Smalley Contrelation - Smalley Control - Smalley Contre						
(HEPLER Sd) Silty SS- Sd Clusters: gn-gy, & mm-rd, Vh Gr:d, Vrr pri th Gr:d, pred V.silty & V.well cmtd- sm calc; Vpr-prvisib Por: micro(m-) (Gr: Por; >5%<10% w duil FLR	ļ	_		19		
Control Contro Control Control	5	- TA		51		2258' (-878)
Viprantial Portimization XSI:SISFO & miley Cut, & sptd- subsat STN; VsI Odor. Sility SS: Sd Clust: AA; pred V.well amtd w/ Vpr Por & Barren. Sility SS: Sd Clust: AA; pred V.well amtd w/ Vpr Por & Barren. Sility SS: Sd Clust: AA; pred V.well amtd w/ Vpr Por & Barren. Sility SS: Sd Clust: AA; pred V.well amtd w/ Vpr Por & Barren. Sility SS: Sd Clust: AA; pred V.well amtd w/ Vpr Por & Barren. Sility SS: Sd Clust: AA; pred V.well amtd w/ Vpr Por & Barren. Sility SS: Sd Clust: AA; pred V.well amtd w/ Vpr Por & Barren. Sility SS: Sd Clust: AA; pred V.well amtd w/ Vpr Por & Barren. Sility SS: Sd Clust: AA; pred V.well amtd w/ Vpr Por & Barren. Sility SS: Sd Clust: AA; pred V.well amtd w/ Vpr Por & Barren. Sility SS: Sd Clust: AA; pred V.well amtd w/ Vpr Por & Barren. Sh: by-th-dh-Mdst, & am Pkst; Vpr-NVP; NS. Sh: gp-th, dh- Mdst-Wkst, & am Pkst; Vpr-NVP; NS. Sh: gp-bk. Sh: gp-gy, dh- Mdst-Wkst, & am pkst; Vpr-NVP; NS. Sh: gp-gy. dh- Mdst-argli; Vpr-NVP; NS. Sh: gp-gy, dh- Mdst-Wkst, am argli; Vpr-NVP; NS. Sh: gp-gy. dh- Mdst-argli; Vpr-NVP; NS. Sh: gp-gy. dh- Mdst-Mkst, am argli; Vpr-NVP; NS. Sh: gp-gy. dh- Mdst-Wkst, am argli; Vpr-NVP; NS. Sh: gp-gy. dh- Mdst-Wkst, am argli; Vpr-NVP; NS. Sh: gp-gy. dh- Mdst-Wkst, am argli; Vpr-NVP; NS. Sh: gp-gy. dh- Mdst-Wkst, am argli; Vpr-NVP; NS. Sh: gp-gy. dh- Mdst-Wkst, am argli; Vpr-NVP; NS. Sh: gp-gy. dh- Mdst-Mdst, dh-	Π	1.1		╂╼		
a VGI-SISFO & milky Cut, & sprt- subsat STN; VSI Odor. Silty SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Barren. Silty SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Barren. Silty SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Barren. Silty SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Barren. Silty SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Silty SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Barren. Silty SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Silty SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Silty SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Silty SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Silty SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Silty SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Silty SS: Sd Clust: Ad; pred V.well cmtd w/ Vpr Por & Silty SS: Sd Clust: Ad; pred V.well cmtd w/ Vpr NVP; NS: D D SH: gy-bk- subcarb; sm bk carb, sm pyrtc. D D SH: gy-bk- subcarb; sm bk carb, sm argli; Vpr-NVP; NS: D SH: gn-gy, dn- Mdst- argli; Vpr-NVP; NS: D D SH: gn-gy, dn- Mdst- Mdst- Wkst, sm argli; Vpr-NVP; NS: D D SH: gn-gy-cm, dn-mx-Mdst- Wkst, sm argli; Vpr-NVP; NS: D D SH: gn-gy-cm, dn-mx-Mdst- Mdst- Mdst- Mdst. D <td></td> <td></td> <td></td> <td></td> <td></td> <td><pre>{<10% W/ VSI-SISFO)</pre></td>						<pre>{<10% W/ VSI-SISFO)</pre>
Silvy SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Barren. Silvy SS: Sd Clust: AA; pred V.well cmtd w/ Vpr Por & Barren. SIR Purph ALTAMONT} LS: gy-th-cm, dn-Mdst, & mx-fnX; Vpr-NVP; NS. SH: bk carb, & gn-gy-bk. SH: bk carb, & gn-gy-bk. SH: bk carb, & gn-gy-bk. LS: gy-th, dn-Mdst-Wkst, & sm Pkst; Vpr-NVP; NS. SH: gr-gy & bk. LS: gn-gy, dn-Mdst-Wkst, & sm Pkst; Vpr-NVP; NS. SH: gn-gy & bk. SH: gn-gy dr. SH: gn-gy dr. SH: gn-gy dr. SH: gn-gy dr. SH: gn-gy dr. SH: gn-gy, dn- Mdst-Wkst, sn argli; Vpr-NVP; NS. SH: gn-gy, dn- Mdst- Mdst- Ndst- NPP, NS. SH: gn-gy, dn- NNP, NS. SH: gn-gy, dn- SH: gn-gy, dn- Mdst- <td>Π</td> <td></td> <td></td> <td></td> <td>& VSI-SISFO & milky Cut, & spt'd- subsat STN; VsI Odor.</td> <td></td>	Π				& VSI-SISFO & milky Cut, & spt'd- subsat STN; VsI Odor.	
Sill Bought (ALTAMONT) LS: gy-th-cm, dr-Mdst, & mx-fnX; Vpr- Barren. Sill Bought (ALTAMONT) LS: gy-th-cm, dr-Mdst, & mx-fnX; Vpr- SiN; NS. SH: bk carb, & gn-gy-bk. LS: gy-th, dn-Mdst, & sm Pkst; Vpr-NVP; NS. SH: gn-gy & bk. LS: gy-th, dn-Mdst, & sm Pkst; Vpr-NVP; NS. SH: gn-gy & bk. LS: gy-th, dn-Mdst-argil; Vpr-NVP; NS. SH: gn-gy & bk. SH: gn-gy, dn-Mdst-argil; Vpr-NVP; NS. SH: gn-gy, dn-Mdst-argil; Vpr-NVP; NS. SH: gn-gy-th. Digg_LB} LS: gn-gy, dn-Mdst-argil; Vpr-NVP; NS. Nought SH: gn-gy-cm, dn-mx; Mdst-Wkst, sm argil; Vpr-NVP; NS. Nought LS: tn-om, dn-mx; Mdst-Wkst, sm argil; Vpr-NVP; NS. Nought LS: tn-ow-tn. dn-mx; Mdst-Wkst, sm argil; Vpr-NVP; NS.						
ALTAMONT} LS: gy-th-cm, dn-Mdst, & mx-fnX; Vpr- NVP; NS. SIR Byurgh ALTAMONT} SIR Byurgh ALTAMONT} SIR Byurgh ALTAMONT SIR Byurgh Angrit with the subcarb of the	П			1-1	Shiry SS: Sa Glust: AA; pred V.Well CMI'd W/ Vpr Por &	
SIRputh {ALTAMONT} LS: gy-tn-cm, dn-Mdst, & mx-fnX; Vpr- SIRputh SIRputh {ALTAMONT} LS: gy-tn-cm, dn-Mdst, & mx-fnX; Vpr- NVP; NS. SH: bk carb, & gn-gy-bk. LS: gy-tn, dn- Mdst-Wkst, & sm Pkst; Vpr-NVP; NS. SH: gy-bk - subcarb; sm bk carb, sm pyrtc. LS: gy-tn, dn- Mdst- argil; Vpr-NVP; NS. SH: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. SH: gn-gy-bk. SH: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. SH: gn-gy-bk. SH: gn-gy-bk. LS: gn-gy-bk. Rough SH: gn-gy-bk. Rough LS: tn-cm, dn-mx; Mdst-Wkst, sm argil; Vpr-NVP; NS. Rough LS: tn-gy-cm, dn-mx; Mdst-Wkst, sm argil; Vpr-NVP; NS. Rough LS: tn-gy-cm, dn-mx; Mdst-Wkst; sm argil; Vpr-NVP; NS.				_		
SIRputh [ALTAMONT] LS: gy-tn-cm, dn-Mdst, & mx-fnX; Vpr- NVP; NS. SH: bk carb, & gn-gy-bk. SH: bk carb, & gn-gy-bk. SH: bk carb, & gn-gy-bk. LS: gy-tn, dn- Mdst-Wkst, & sm Pkst; Vpr-NVP; NS. SH: gy-bk LS: gy-tn, dn- Mdst-Wkst, & sm Pkst; Vpr-NVP; NS. SH: gn-gy & bk. LS: gy-tn, dn- Mdst-Wkst, & sm Pkst; Vpr-NVP; NS. SH: gn-gy & bk. LS: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. SH: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. SH: gn-gy-bk. LS: gn-gy bk. LS: gn-gy-bk. LS: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. SH: gn-gy-bk. LS: gn-gy-bk. LS: gn-gy-bk. LS: gn-gy-bk. LS: gn-gy-bk. Rought NVP; NS. Rought LS: tn-gy-cm, dn-mx; Mdst-Wkst; sm argil; Vpr-NVP; NS. Rought LS: tn-gy-cm, dn-mx; Mdst-Wkst; sm argil; Vpr-NVP; NS.	1					
NVP; NS. BH: bk carb, & gn-gy-bk. BH: bk carb, & gn-gy-bk. BH: bk carb, & gn-gy-bk. D E H: gy-bk- subcarb; m bk carb, m pyrtc. D E H: gy-bk- subcarb; sm bkst; Vpr-NVP; NS. SH: gn-gy, dn- Mdst-Wkst, & sm Pkst; Vpr-NVP; NS. BH: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. D E BH: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. N E BH: gn-gy-bk. E NVP; NS. BH: gn-gy-bk. E Drgg - BP; BH: gn-gy-bk. E NVP; NS. BH: gn-gy-bk. E Drgg - BP; BH: gn-gy-bk. E BH: gn-gy-bk. BH: max; Mdst-Wkst, sm argil; Vpr-NVP; NS. E Buggit LS: tn-ow, dn-mx; Mdst-Wkst, sm argil; Vpr-NVP; NS. E Buggit Vpr-MVP; NS. E Buggit Vpr-MVP; NS. E Buggit Vpr-MVP; NS.		1	C			2282' (-902)
SH: bk carb, & gn-gy-bk. -c LS: gy-tn, dn- Mdst-Wkst, & sm Pkst; Vpr-NVP; NS. -c -2300 SH: gn-gy & bk. SH: gn-gy & dn- Mdst- argil; Vpr-NVP; NS. SH: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. SH: gn-gy-bk. LS: gn-gy-bk. Rough NVP; NS.		¥ 	Ŧ			
				-+	Cl.1. hi and 8 mm mi hi	
C LS: gy-tn, dn- Mdst-Wkst, & sm Pkst; Vpr-NVP; NS. C He 2300 SH: gr-gy & bk. SH: gy-bk- subcarb; sm bk carb, sm pyrtc. LS: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. SH: gy-bk. LS: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. Phile LS: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. Phile LS: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. Phile LS: gn-gy-bk. Phile Phile Nugli Augli Nugli Augli LS: tn-gv-bn. dn-mx; Mdst-Wkst, sm argil; Vpr-NVP; NS.		Į		-	ort, un caru, a girgy-un.	
					LS: gy-tn, dn- Mdst-Wkst, & sm Pkst; Vpr-NVP; NS.	
SH: gy-bk- subcarb; sm bk carb, sm pyrtc. SH: gy-bk- subcarb; sm bk carb, sm pyrtc. LS: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. SH: gn-gy-bk. SH: gn-gy-bk. SH: gn-gy-bk. SH: gn-gy-bk. LS: tn-cm, dn-mx; Mdst-Wkst, sm argil; Vpr- NVP; NS. LS: tn-qv-bn. dn-mx; Mdst-Wkst, sm argil; Vpr- NVP; NS. LS: tn-qv-bn. dn-mx; Mdst-Wkst, sm argil; Vpr-NVP; NS.			2		Ē	
5 Ho SH: gy-bk- subcarb; sm bk carb, sm pyrtc. C LS: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. SH: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. C Physic NVP; NS. NVP; NS. NVP; NS. Nought LS: th-gv-hn. dn-mx; Mdst-Wkst, sm argil; Vpr-NVP; NS.				_	SH: gn-gy & ok.	
SH: gy-bk- subcarb; sm bk carb, sm pyrtc. LS: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. SH: gn-gy-bk. SH: gn-gy-bk. Rough PawNEE} LS: tn-cm, dn-mx; Mdst-Wkst, sm argil; Vpr- NVP; NS. LS: tn-gy-cm, dn-mx; Mdst-Wkst, sm argil; Vpr- NVP; NS. LS: tn-gy-cm, dn-mx; Mdst-Wkst, sm argil; Vpr-NVP; NS. Rough LS: tn-gy-cm, dn-mx; Mdst-Wkst, sm argil; Vpr-NVP; NS.						
LS: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. SH: gn-gy-bk. PAWNEE} LS: tn-cm, dn-mx; Mdst-Wkst, sm argil; Vpr- NVP; NS. LS: tn-gy-cm, dn-mx; Mdst-Wkst; sm argil; Vpr-NVP; NS.					SH: gy-bk- subcarb; sm bk carb, sm pyrtc.	
LS: gn-gy, dn- Mdst- argil; Vpr-NVP; NS. SH: gn-gy-bk. SH: gn-gy-bk. Rh Rh PNNNEEJ LS: tn-cm, dn-mx; Mdst-Wkst, sm argil; Vpr- NVP; NS. LS: tn-gv-cm, dn-mx; Mdst-Wkst, sm argil; Vpr-NVP; NS. 1 1 1				 		
SH: gn-gy-bk. SH: gn-gy-bk. ugh {PAWNEE} LS: tn-cm, dn-mx; Mdst-Wkst, sm argil; Vpr- NVP; NS. LS: tn-gv-cm, dn-mx; Mdst-Wkst; sm argil; Vpr-NVP; NS. 1 1		X			LS: gn-gy, dn- Mdst- argil; Vpr-NVP; NS.	
Image: Construction of the second						2320' (-940)
						PAWNEE
		V	Hon		{PAWNEE} LS: tn-cm, dn-mx; Mdst-Wkst, sm argil; Vpr- NVP· NS.	
	╉┦		<u>a 1-B</u>			
I S: th-av-hn. dn-		k	4	_	LS: tn-gy-cm, dn-mx; Mdst-Wkst; sm argil; Vpr-NVP; NS.	
					-up	

The state of the stat			
Att and the set of the s	DST#1 (VIOLA) 2431'2474' 30-45-45-60 min IF: Wk blow, incrs to BOB in 11 min. ISI: No Blow Back FF: Wk blow, incrs to BOB in 14 min. FSI: NBB Rec: 75' CGOII (39 Gravity) 100' GHOCM (43%G;29%O;67%M) 430' GW&HOCM (43%G;29%O;67%M) 430' GWAHOCM (43%G;29%O;67%M) (100' GHOCM (5%G; 34%O; 100' GHOCM (5%G; 34%O; 100' GHOCM (5%G; 34%O; 100' GHOCM (5%G; 34%O; 100' GHOCM (5%G) 24%O (5%O) 100' GOD PM) (500 DPM)	1000 ppm) IHP: 1202 IFP: 27128 ISIP: 610 FFP: 130200 FSIP: 610 Temp:100deg.F MdWt:9.5 Vis:53 WL:9.4 LCM:281/2	VIL
In the other A grant A	19.3 2#)	2472' (-1092) VIOLA{GdSFO) RTD:2474'(-1094)	VESS OIL CORPOR WILSON "A" # 442 1320' FSL & 2640' FV SEC: 9-25S-05E EL DORADO FIELD BUTLER CNTY., KS
		 subcarb-carb, sm Pyrtc. [2473' 15min.circ.spl]-Pred SH: AA: <5% VIOLA ~50% DOLO: rich-tn-STN & bf-cm. microXIn(mx)-VfnXh, micro(m-)sucro, sm silic; w Fr-Gd Dor: pp-vug, IXP Pred sat w/ brt FLR & tn-STN, & Good Show Free Oil & Gas Bubls(GGSFO-GB) & Fr-Gd Cut; & *-50% CHERT: cm-gy & tn-STN, pred sharp- tresh to sl Whtrd, sm Whtrd & dolomc w/ pp-vug Por & m-IXP w/ sptd-sat brt FLR & sptd STN & SFO-GB & Cut; Frly Strong Odor. (2473' 30min.circ.spl] 25%-30% VIOLA: ~70% CHERT: cm-bf-gy, w/ sm th-STN, pred sharp-fresh- sl Whtrd, sm Whtrd & dolomc w/ pp-vug Por & m-IXP (sm dolomc) brt FLR & sptd STN & SFO-GB & Cut; Frly Strong Odor. (2473' 30min.circ.spl] 25%-30% VIOLA: ~70% CHERT: cm-bf-gy, w/ sptd STN & SFO-GB & Cut; Trly Strong Odor. (2474' 15min.spl]. ~30% VIOLA: ~70% CHERT: cm-bf-gy, w/tn-STN, pred sharp-fresh- sl Withr'd & m-VtrSN, m-sucro w/ Fr-Gdges, & W/thr'd & Br-cut, Strong Odor. (2474' 15min.spl]. ~30% VIOLA: ~70% CHERT: cm-bf-gy, w/tn-STN, pred sharb-fresh- sl Withr'd & Strong Strong Strong, R STN w' SFO-GB & Cut; Strong Odor. (2474' 15min.spl]. ~30% VIOLA: ~70% CHERT: cm-bf-gy, w/tn-STN, pred sharb-fresh- sl Withr'd & Strong Strong, R Strong Strong, R Strong Odor. 	(2474, 30min.spl), ~75%VIOLA: ~60%CHERT: cm-gy-bf, semiWthrd-granit- sm dolome- pred sptd-subsat FLR- SFO-GB & Cut & sptd STN; & ~40% DOLO: cm-bf wh STN, mx-VinXIn, m-sucro, Chrty, sm silic; Fr- Rr Gd visbl Por: por. as INP wibsat-sat It-In-STN & brt FLR & Fr- GdSFO-GB & Fr-Gd Cut; Strong Odor. (2474' 45min.spl) Viola-Chert & Dolo: AA; incrs SH- cavings.
			2550

 STING (620) 326-5830 Page 1	Vess Oil Corp.Lease NameWilson A1700 Waterfront Prkwy Bldg 500Lease #442Wichita, KS 67206Legal DescC S/2 S/2Wichita, KS 67206Legal DescC S/2 S/2Roger Martin9RangeTownship25sStateCountyButlerStateField: El DoradoC & G Drilling #1	GENERAL INFORMATION GENERAL INFORMATION Tester Tester Tester Tester Feature Tester Feature Featur	
RICKETTS TESTING	Company Vess Oil C Address Vess Oil C Address Wichita, K Attn. Roger Mar Comments Field: El D	GENERAL INFORMATIO Test # 1 Test # 1 Tester Jimmy Ricket # of Packers 2.0 # of Packers 2.0 Mud Type Conventional # of Packers 2.0 Mud Weight 9.5 Filtrate 9.4 Drill Collar Len 181.0 Wight Pipe Len 0 Protor Len Below 43.0 2474.0 Drill Collar Len 2474.0 Blow Type Weak blow bu Times: 30, 45, Times: 30, 45, Times: 30, 45, Times: 30, 45, Drill Collar Len Below 43.0 Cotal Depth Pactor Len Below 43.0 Total Depth Total Depth 2474.0 Blow Type Weak blow bu Vater and heavy oil cut Weak blow bu Times: 30, 45, Times: 30, 45, Distration Dout Times: 30, 45, Distrater and heavy oil cut Dout Vater and heavy oil cut Distribut Vater and heavy oil cut Distribut Districut Distribut Vate	



GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure

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Choke

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ATTACHMENT TO ACO-1

WILSON A-442 1320'FSL, 2640'FWL Sec. 9-25S-05E Butler County, KS

	SAMPLE TOPS	LOG TOPS
Admire 550'	570 +810 SO	566 +814
Admire 650	687 +693 GSO	694 +686
Burlingame	837 +543	837 +543
White Cloud Lm	926 +454	928 +452
White Cloud Sd	932 +448 SISO	942 +438
Topeka	1095 +285	1095 +285
Oread	1400 – 20	1400 -20
Heebner	1437 – 57	1438 -58
Douglas	1468 –88	1468 -88
Douglas Sand	1507 -127 SISO	1506 -126
Lansing	1717 –337	1717 -337
Lansing Base	1848 – 468	1844 -464
Kansas City	1997 –617	1996 -616
Stark	2098-718	2096 -716
B/KC	2155 – 775	2153 -773
Checkerboard	2232 - 852	2231 -851
Hepler Sand	2258 -878 FSO	2257 -8 77
Altamont	2282902	2281 -901
Cherokee	2361 –981	2360 -980
Ardmore Lm	2426 -1046	2424 -1044
Viola	2472 -1092 GSO	2472 -1092
PTD	2474 1094	2474 -1094

DST #1 2431-2474 Zone: Viola
Times: 30-45-45-60
1 st open: Weak blow incr to BOB in 11 minutes
NO BB
2 nd open Weak blow incr to BOB in 14 minutes
NO BB
Rec.: 75' CGO, 100' GHOCM(G-4,O-29,M-67), 430' GW & HOCM
(G-5, O-34, W-10, M-51)
Tool: 0 % G, 43 % Oil, 8 % W, 49 % M Cl=6000 ppm, GR-39
IHP: 1202 FHP: 1186
IFP: 27-128 FFP: 130-200
ISIP: 610 FSIP: 610 TEMP: 100 F

	oil Wel	OLIDATED Services, LLC APP 2 5 2011	Consolida	REMIT ated Oil Well'S Dept 970 P.O: Box 484 ston, TX - 7721	eniosi inre	63 620/451+923(0) 17	IMAINO JUGE IREMEDIXABEL IREMIED (KSK6EZCO 11500/457/45676) AX620/45140012
INVOICE							# 1240570
Invoice Da	ate: 04	======================================	Terms: 0/0	======================================			Page 1
1700 WICHI	OIL CORI WATER FI TA KS (682-1537		BLD 500	298 9-2	5-S5E 02-11	12 20Y	
	========						
Part Numbe 1126A 1110A 4104 4130 4159 4454 1144		KOL SEA CEMENT CENTRAL FLOAT S 5 1/2"	tion ET CEMENT L (50# BAG) BASKET 5 1, IZER 5 1/2 HOE AFU 5 1 LATCH DOWN (MUD CLEAN) /2" " L/2" PLUG	125.0 650.0 2.0 6.0 1.0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2287.50 286.00 458.00 288.00 344.00 254.00
46 CEME 46 EQUI	ription NT PUMP PMENT MI BULK DE	LEAGE (ONE LIVERY	WAY)		1.0	0 4.00	975.00
========= arts: abor: ublt: ===========	.00	Freight: Misc: Supplies:	.0	0 Tax: 0 Total: 0 Change:	5590.	47 AR 97 00	5590.97
gned						Date	
BARTLESVILLE, OK 918/338-0808	ELDORADO, KS 316/322-7022	Еивека, Ks 620/583-7664	Gillette, Wy 307/686-4914	Oakley, KS 785/672-2227	Оттаwа, Ks 785/242-4044	THAYER, K64 620/839-525	WWO.1/AND.NWA COM/COM/ACTAZ

CONSOLIDATED	
Oil Viell Services. LLC	

TERED

FIELD TICKET & TREATMENT REPORT

29847 TICKET NUMBER____

LOCATION # 80 ElBorado FOREMAN Jacob Stom

6 Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

020-401-0210	1 000 101 0010			CEMEN	i II	APi# 15-015	-23890~0	70-00
DATE	CUSTOMER #	WELL	NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
4-2-11	8511	wilson	A #4	42	9	255	5F	Butler
CUSTOMER				Safty		自治理和自治的		
VCSS 0 MAILING ADDR	FSS			Meating	TRUCK #	DRIVER	TRUCK #	DRIVER
	-			38	446	Jeff		
1700 wa CITY	ter front.	Parkmy Istate		Je	502	Jerald		
			ZIP CODE	50,	511	Jacob		
wichita		KS_	67206]				
	ng string B			HOLE DEPTH		CASING SIZE & V	VEIGHT <u>51/2</u>	15.5
CASING DEPTH		DRILL PIPE_N/	Ϋ́Α	TUBING N/A			OTHER	
SLURRY WEIGI		SLURRY VOL_		WATER gal/s		CEMENT LEFT in	CASING 42.5	6
DISPLACEMEN		DISPLACEMENT	r psi <u>700</u>	MIX PSI 34	0	RATE 460m		
REMARKS: S	afty meatin	g, placed	f loat	equi	print Ba	skets at	Ll and	1 and
contrali						73 , Pump	ed to be	eak
curcula	tion, mud	flush	Then	35 5	5 thicks	of skrol	Scalid	isourced
plug wir	the 38b	bl water	- land	d at	1200 051 -	floats n	cld.	
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ACCOUNT CODE	QUANITY	or UNITS	DE	SCRIPTION of	SERVICES or PR	DDUCT		TOTAL
5401	1		PUMP CHARG	E			975.00	978.00
5426	6		MILEAGE				4,00	NIC
5407			Min bul	k delive		······································	330.00	330.00
·						· · · · · · ·		
1126 A	12.5	SKS	Thick a	et comen			18.30	2287.50
1110 A	650		Kol-Scal		.		0,44	2.86.00
			101 001				0.117	~00.00
4104	2		S1/2 con	ent bas	t at		229.00	458.00
4130	6		51/2 con				48.00	288.00
4159	1						344,00	
	· · · · · ·		51/2 AF4	- rloate	shoe			344,00
4454			51/2 Late	h down	plug		254.00	254.00
1144	2.59	al	Dylla	1 mud	flush		42.00	10500
	~~~~				- 1645 1		· / <b>~</b> · · · · ·	100,00
				······································		~	· ·	
			· · · · · · · · · · · · · · · · · · ·	<u> </u>				
							S.S.L.L.	5327.50
				·			JUNTOR	
								263:41
avin 3737			~	VIDEN			SALES TAX	
	7	0 1	0	40518	l		TOTAL	559091

AUTHORIZTION ______ DATE______ DATE______ DATE______ I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services iterative contribution of the form.





TICKET NUMBER 30928

and the second

LOCATION #80 ElDorado

FOREMAN Jacob Storm

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

#### CEMENT Ap: # 15-015-23890 SECTION TOWNSHIP DATE CUSTOMER # WELL NAME & NUMBER RANGE COUNTY 3-28-11 BSII 9 Wilson A # 442 255 S E Butler CUSTOMER Safty meating MAILING ADDRESS TRUCK # DRIVER TRUCK # DRIVER 446 Jeff 1700 water front PKway 442 B14 500 J.S Steve CITY STATE ZIP CODE 511 Jacob Witchata 67206 KS JOB TYPE Surface ß HOLE SIZE 12 1/4 HOLE DEPTH 265 CASING SIZE & WEIGHT 84 CASING DEPTH_2.55.56 DRILL PIPE NA TUBING<u>NA</u> OTHER SLURRY WEIGHT 14.516 SLURRY VOL WATER gal/sk_ CEMENT LEFT in CASING 30-F+ DISPLACEMENT 15.93 DISPLACEMENT PSI 200 MIX PSI 100 RATE 4.0 bom REMARKS: Safty meeting break curculation mixed 150 SKS Class A 34 CC 1/2 16 poly pc displaced with 145 Suck. bbl awarlated cencel to

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015		PUMP CHARGE	775.00	
5406	6	MILEAGE	4,00	
5407	<u> </u>	min bulk delivery	330.00	1N/C 330.00
11045	150			
1102	400	Class A comment	14.25	2137.50
1107	75	Calcium Chloride	0,70	280.00
1107		Poly flakes	2.22	166.50
				· · · · · · · · · · · · · · · · · · ·
			<u></u>	
· · · · · · · · · · · · · · · · · · ·				
				1/20
			Subtate 1	3639.00
Pavin 3737	·····		SALES TAX	169.26
	CAL	240276	ESTIMATED TOTAL	2000 21
AUTHORIZTION	allon	TITLE	DATE	

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

	IDATED Invisos, LLC	Consolidated Oil De P.O. E	<b>MIT TO</b> I Well Services, LLC pt. 970 3ox 4346 X 77210-4346	Main Office P.O. Box 884 Chanute, KS 66720 620/431-9210 • 1-800/467-8676 FAX 620/431-0012		
INVOICE	L			Invoice #	240276	
Invoice Date: 03/3	======================================	======================================	======================================	=============== Pa	.ge 1	
VESS OIL CORPO 1700 WATER FRO WICHITA KS 67 (316)682-1537		500	WILSON A #442 30928 9-25-S5E 03-28-11 KS	, , , , , , , , , , , , , , , , , , ,		
Part Number 11045 1102 1107	Descriptio CLASS "A" CALCIUM CH FLO-SEAL (	CEMENT (SALE LORIDE (50#)	E) 150.00	.7000	Total 2137.50 280.00 166.50	
Description 442 MIN. BULK DEL 446 CEMENT PUMP ( 446 EQUIPMENT MIL	SURFACE)	Y)	Hours 1.00 1.00 .00	775.00	Total 330.00 775.00 .00	

		=================					
Parts: Labor: Sublt:	.00	Freight: Misc: Supplies:	.00	Tax: Total: Change:	169.26 3858.26 .00	AR	3858.26
						==========	
				-			
Signed					D	ate	·
BARTLESVILLE, OK 918/338-0808	ELDORADO, KS 316/322-7022	<b>Е</b> и <b>река, Ks</b> 620/583-7664	Gillette, Wy 307/686-4914	Oakley, KS 785/672-2227	Оттаwа, Ks 785/242-4044	THAYER, KS 620/839-5269	Worland, Wy 307/347-4577

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ELDORADO, KS 316/322-7022